SPECIFICATIONS

PART I - GENERAL

- PURNISH AND INSTALL LABOR AND MATERIALS NECESSARY TO PROVIDE A COMPLETE INSTALLATION OF ALL ELECTRICAL SERVICES AND SYSTEMS INDICATED AND AS MAY BE REQUIRED TO MAKE THE WORK COMPLETE FOR THE PURPOSE INTERDED LATVOUTS SHOULD ARE DIAGRAMMATIC INSTALL FIXTURES DEVICES, EQUIPMENT AND CONDUITS TO MEET ACTUAL FIELD CONDITIONS 1.1
- BIDDING REQUIREMENTS VISIT SITE PRIOR TO BIDDING TO BE FULLY ACQUAINTED WITH FIELD CONDITIONS AND TO DETERMINE FULL EXTENT OF WORK REQUIRED COORDINATE NEW INSTALLATIONS WITH EXISTING SYSTEMS, ITEMS NOT SPECIFICALLY INDICATED ON DRAWINGS THAT ARE IN CONFLICT WITH WORK SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND EXAMERS PRIOR TO BID FOR A DECISION BIDDERS SHALL ACQUAINT THEMSELVES WITH THE WORKING CONDITIONS AND REQUIREMENTS OF THE BITTIER PROJECT, LOCK WILL BE BASED UPON PRIOR WITHING ALL LABOR AND MATERIALS REQUIRED TO ENTIRELY COMPLETE WORK READY FOR USE
- 13 CODES WORK SHALL COMPLY WITH LOCAL, MUNICIPAL STATE ELECTRICAL
 CODES MATERIALS SHALL BE IN COMPLIANCE WITH NATIONAL FIRE CODES MATERIALS SHALL BE IN COMPLIANCE PROTECTION ASSOCIATION (NEPA) STANDARDS
- OBTAIN AND PAY FOR LICENSES, PERMITS AND INSPECTIONS FOR WORK RECUIRED CERTIFICATES OF INSPECTION SHALL BE DELIVERED TO THE
- SHOP DRAWINGS TO BE SUBMITTED (SIX COPIES) FOR FIXTURES, EQUIPMENT, DEVICES AND MATERIALS WITHIN IS DAYS OF CONTRACT AWARDING FOR REVIEW. MINOR CHANGES IN LOCATION RROW THOSE SHOUN ON THE DRAWINGS SHALL BE MADE WITHOUT CHARGE IF SO DIRECTED BY THE RCHITECT BEFORE INSTALLATION.
- SCHEDILLE WORK TO AVOID DOUNTIME AND INCONVENIENCE TO CUNER OWER'S EXISTING FACILITY SHALL, REMAIN IN OPERATION AT ALL TIMES. REQUIRED SHITDOUN OF EXISTING UTILITIES SHALL BE SCHEDULED WITH CUNER'S OPERATING FERSONNEL NOTIFY CUNER'S REPRESENTATIVE 48 HOURS IN ADVANCE PRIOR TO ANY SHUTDOUN OF EXISTING SYSTEMS
- TEMPORARY SERVICES ARE TO BE PROVIDED TO MAINTAIN OPERATION OF FACILITY DURING THE PHASING OF WORK.
- DO WORK NORMALLY DONE BY THE ELECTRICAL TRADES OR REQUIRED BY LOCAL WRISDICTIONAL RULINGS, WHETHER SPECIFICALLY INDICATED OR
- CHANGES IN THE LOCATION OF THE EQUIPMENT, ETC., FROM THOSE SHOWN ON THE DRAWINGS SHALL BE MADE WITHOUT CHARGE IF SO DIRECTED BY THE ARCHITECT/OWNER BEFORE INSTALLATION.
- CUNER TRAINING IN THE PROPER OPERATION, MAINTENANCE AND SERVICING OF SYSTEMS IS TO BE PROVIDED DIGITALLY RECORD (AUDIO AND VIDEO) ALL TRAINING SESSIONS PROVIDE IN A BOUND FORM TWO (2) SETS OF OPERATIONS MANTENANCE AND INSTRUCTION MANUALS INCLUDING INFORMATION ON SPARE PARTS LUBRICATION SCHEDULE, WIRNIG DIAGRAMS, ETC, FOR ALL MATERIALS AND EQUIPMENT PROVIDE TWO (2) SETS OF ACCURATELY MARKED "AS BUILL" PRINTS, ELECTRONIC FILE OF AS-BUILTS, AND TWO COPIES OF TRAINING SESSION VIDEO (DVD FORMAT)
- WARRANTY DEFECTS TO EQUIPMENT, MATERIALS AND LABOR FOR A PERIOD OF ONE (1) YEAR AFTER FINAL ACCEPTANCE OF THE BUILDING BY THE ARCHITECT AND ENGINEER DEFECTIVE FIXTURES EQUIPMENT AND MATERIALS SHALL BE REPAIRED OR REFLACED AT NO COST TO THE OWNER GUARANTEE THAT ALL WORKTANSHIP IS OF HIGH QUALITY AND THAT ALL EQUIPMENT FURNISHED WADER THIS CONTRACT FULFILLS THE REQUIREMENTS OF THE SPECIFICATIONS CONDUCT AT NO COST TO THE OWNER, TESTS ON ANY EQUIPMENT SINISHED WHEN SO REQUESTED BY THE ARCHITECT OR HIS REPRESENTATIVE WITHIN THE ONE YEAR PERIOD

PART 2 - GENERAL COORDINATION - NOT USED

PART 3 - EXECUTION

- COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS (VOLTAGES, PHASE, LOAD, ETC.) TO AVOID CONFLICTS.
- REFER TO THE CONTRACT DOCUMENTS FOR ADDITIONAL ELECTRICAL WORK AND REQUIREMENTS FURNISH, INSTALL AND LOCATE DISCONNECT SUITCHES AT EQUIRED AND IN ACCORDANCE WITH CODE, IF THE WORK OF OTHER TRADES CAUSES A LOSS OF CONTINUITY OF THE EXISTING ELECTRICAL DISTRIBUTION, GROUNDING SYSTEM OR CIRCUITRY, IT SHALL BE RECONNECTED AND REPAIRED AT NO ADDITIONAL COST
- CONTRACTOR TO FIELD VERIEY IF EXISTING ASBESTOS WILL BE ENCOUNTERED PRIOR TO STARTING WORK. IF ASSESTOS IS PRESENT THE CUNER WILL PROVIDE FOR THE REMOVAL OF ANY MATERIAL CONTAINING ABBESTOS.
- COORDINATE PHASING OF WORK AND PROVIDE TEMPORARY POWER AND SERVICES AS REQUIRED FOR THE IMPLEMENTATION OF WORK WHILE MAINTAINING SERVICES TO PORTIONS OF BUILDING TO REMAIN OCCUPIED
- 1915 SITE PRIOR TO BID TO DETERMINE AND VERIFY EXISTING INTERIOR AND EXTERIOR ELECTRICAL SYSTEMS TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING SYSTEMS TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING SYSTEMS TO DETERMINE RILL EXTENT OF DEMOLITION WORK. INCLUDE ALL NECESSARY MODIFICATIONS TO THE EXISTING CONDITIONS (INCLUDING CEILINGS, WALLS, FLOORS, PIPES, CONDUIT, ROOF WORK, ETC.) AS REQUIRED, TO ALLOW FOR PROFER INSTALLATION OF WORK ADJUST INSTALLATIONS TO MEET FIELD CONDITIONS AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION. NO EXTRAS WILL BE ALLOWED AFTER BIDDING FOR REWORK OF EXISTING FIELD CONDITIONS TO RESOLVE ANY CONFLICTS PROM NOT FULLY UNDERSTANDING THE SCOPE OF THE WORK RECOURSED EXISTING EQUIPMENT, CONDUIT PIPING, ETC. SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK.
- LAYOUT IS DIAGRAMMATIC. PROVIDE DEVICES, CONDUIT AND EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS
- HIDDEN CONDITIONS IDENTIFIED THROUGH THE COURSE OF CONSTRUCTION HIDDEN CONDITIONS IDENTIFIED HANCEST THE COURSE OF CONSTRUCTION SHALL BE IMPEDIATELY BROUGHT TO ATTENTION IN WRITTEN FORTH FOR REVIEW AND DIRECTION. FAILURE TO DO 50 SHALL REQUIRE THE CHANGES AND COSTS TO CORRECT SAID HIDDEN CONDITION TO BE CONTELETED AT NO COST EXISTING EQUIPMENT NOT IDENTIFIED SHALL BE BROUGHT TO ATTENTION FOR REVIEW AS TO WHETHER THE FOURTH SHALL REMAIN AND BE RECONNECTED TO THE NEW SERVICES, BE RELOCATED, BE ABANDONED.
- REMOVE AND REINSTALL EXISTING CEILINGS NOT BEING REPLACED (INCLUDING LIGHTS MOTION SENSORS, FIRE ALARM DEVICES AND ANY OTHER ELECTRICAL DEVICES AS REQUIRED) JUNERS INCESSARY TO PERFORM WORK. THIS ALSO NOLLUDES EXISTING CEILINGS OF PLASTER DRIVALL, ETC. COORDINATE WORK IN ANY CEILING SPACE SO AS TO MINIMIZE THE AMOUNT OF CEILINGS WHICH MUST BE REMOVED AND REINSTALLED REVIEW THE BITIRE SET OF CONTRACT DOCUMENTS IN ORDER TO RILLLY UNDERSTAND AND INCLUDE ALL CEILING WORK NECESSARY FOR WORK ON THE PROJECT WHEN WORK IS COMPILETED IN THE SPACE REINSTALL OR PATCH EXISTING CEILINGS, REINSTALL DEVICES AND EQUIPMENT AND REPAIR DATAGE AS REQUIRED TO COMPILETELY MATCH EXISTING CONDITIONS REPAIR OR REPLACE ANY DAMAGE CAUSED TO EXISTING CEILINGS AREAS.

- 39 REMOVE EXISTING CONSTRUCTION AS REQUIRED AT EXISTING WALLS, FLOORS, PIPPE CHASES, BURFACES, FNIGHES, ETC WHICH ARE AFFECTED BY THIS WORK. REPAIR EXISTING SURFACES AFFECTED, TO MATCH EXISTING SURFACE OF EGULAL OR BETTER QUALITY TO THE SATISFACTION OF THE OWNER'S
- 2.1/2 EXISTING LIGHTING FIXTURES, ELECTRICAL DEVICES, CONDUIT, ETC., SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK. EXISTING ELECTRICAL EQUIPMENT AND LIGHTING FIXTURES SHALL REMAIN PROPERTY OF THE CUNER AND SHALL BE PROPERLY STORED ON SITE, OR DESIGNATED TO BE ABANDONED AND REMOVED PROM SITE AS DIRECTED BY CUNER.
- 23.11 EXISTING ELECTRICAL DEVICES (RECEPTACLES, SWITCHES, OUTLET BOXES, CONDUIT, ETC.) WITHIN WALLS TO BE REMOVED SHALL BE DISCONNECTED COMPLETELY REROUTE AND EXTEND EXISTING CIRCUITRY, ELECTRICAL FEEDERS AND GROWNING SYSTEMS AS REQUIRED TO MAINTAIN CIRCUIT, FEEDER AND GROWNING SYSTEM INTEGRITY FOR REMAINING DEVICES/EQUIPMENT VERIFY EXACT CONDITIONS AND REQUIREMENTS IN
- HIELD

 JIZ WHERE NEW CIRCUIT BREAKERS, RUSES AND SWITCHES ARE TO BE ADDED TO EXISTING PANEL BOARDS, SUITCHBOARDS, ETC., THEY SHALL BE OF THE SAME MANUFACTURER AND DESIGN AS THE EXISTING BREAKERS OR SWITCHES IF NOT OBSOLETE AND SHALL BE OF THE SIZES AS INDICATED REARRANGE ANY AND ALL CIRCUIT BREAKERS WITHIN THE EXISTING EQUIPMENT TO ACCOMMODATE THE NEW CIRCUIT BREAKERS OR SWITCHES BRANCH CIRCUIT NUMBERS ASSIGNED TO EXISTING PANELBOARDS ARE ARBITRARY AND ARE INTENDED TO INDICATE BRANCH CIRCUIT REQUIREMENTS ONLY ACTUAL PANEL NUMBER ASSIGNMENTS FOR DESIGNATED BRANCH CIRCUITS SHALL BE ADJUSTED TO MEET FIELD CONDITIONS PROVIDE ADDITIONAL BUIS, BUS EXTENSION, BOLTS AND HARDWARE, ENCLOSURE MODIFICATIONS, DIRECTORY MODIFICATIONS, ETC., AS REQUIRED TO ACCOMPLISH THE WORK.
- 3.13 CUTTING AND PATCHING WHICH MUST BE DONE TO ALLOW WORK TO BE PROPERLY INSTALLED ALL DISTURBED CONSTRUCTION, SURFACES OR FINISHES MUST BE REPLACED OR REPAIRED TO THE ARCHITECT'S SATISFACTION, UNDER NO CONDITION SHALL STRUCTURAL WORK BE CUT EXCEPT UPON APPROVAL OF THE ARCHITECT
- 3.14 EXISTING CIRCUITRY NOT INTERRUPTED BY THE WORK SHALL REMAIN AS IS UNLESS SPECIFICALLY NOTED OTHERWISE
- 3 IB EXISTING CIRCUITRY (TO REMAIN) INTERRUPTED BY THE WORK SHALL BE PROPERLY RECONNECTED AS REQUIRED FOR A COMPLETE OPERATING SYSTEM.
- EXISTING CONDUIT MAY BE REUSED WHEREVER POSSIBLE REMOVE EXISTING BRANCH CIRCUIT WIRING AND INSTALL NEW AS SHOWN OR AS REQUIRED WHERE CIRCUITS ARE INTERRUPTED AND TO BE EXTENDED TO PANELS
- 3.17 DEENERGIZE AFFECTED CIRCUITS AND REMOVE ELECTRICAL EQUIPMENT, DEVICES, FIXTURES, CONDUIT, WIRING, ETC. AND CAREFULLY REMOVE ITEMS.
- 318 SOME OR ALL CEILING SPACES ARE RETURN AIR PLENIMS EXAMINE PLENIM BEFORE CEILING IS INSTALLED (OR REPLACED) AND SEAL OFENINGS AROUND CONDUIT, CABLE, ETC. PROVIDE PLENIM RATED CABLE (UNLESS IN CONDUIT), DEVICES AND EQUIPMENT PER CODE.
- 3 IS MINIMUM CONDUIT SIZE SHALL BE 1/2" EMT* MINIMUM IMC O'R RIGID HIII.
 CONDUIT SIZE TO BE 3/4" (VERIFY WITH LOCAL GOVERNING CODES PRIOR
 TO INSTALLATION)
- 320 COUPLINGS AND CONNECTORS SHALL BE GLAND OR SET SCREW TYPE.
- 321 MINIMUM WIRE SIZE SHALL BE 1/2 THUN (OR THUN) SOLID COPPERS OVER 15' RUNS SHALL BE MINIMUM 1/0 THUN COPPER UNLESS NOTED OTHERWISE ON THE PLANS.
- 322 PROVIDE PROPER AND SUFFICIENT GROUND CONNECTION FOR ELECTRICAL DEVICES AND EQUIPMENT CONDUIT CONNECTIONS SHALL BE DRAWN UP TIGHT AND SECURE
- 323 WIRE SPLICES AND JOINTS SHALL BE MECHANICALLY AND ELECTRICALLY PERFECT TWISTED SPLICES AND JOINTS SHALL BE DRAWN UP TIGHT AND FITTED WITH PROPER SIZED SCOTCHLOK OR IDEAL ELECTRICAL SPRING CONSECUTION.
- 3.24 SOLDERLESS CONNECTORS AND LUGS SHALL BE USED ON WIRES AND CABLES & AND LARGER SPLICES AND JOINTS & AND LARGER SHALL BE TIGHTLY TAPED WITH BEST GRADE TAPE OF A HIGH GRADE VINYLITE PLASTIC TO AN INSULATION VALUE EQUIVALENT OR IN EXCESS OF THAT OF THE WIRE INSULATION.
- 9.25 SURFACE MOUNTED PULL BOXES OUTLET BOXES ETC., SHALL HAVE SUPPORTS INDEPENDENT OF CONDUIT SYSTEM AND SECURELY ANCHORED TO THE STRUCTURE THE ENTIRE CONDUIT SYSTEM SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURE NO CONDUITS SHALL BE SUPPORTED FROM THE VENTILATING DUCTS, MECHANICAL PIPING OR THEIR
- 326 EXPOSED RACEWAYS SHALL BE ROUTED PARALLEL WITH OR AT RIGHT
- 327 NO RACEWAYS SHALL BE INSTALLED WITHIN 6' OF HOT WATER PIPES OR SMILLAR HEAT PRODUCING APPLIANCES.
- 328 PROVIDE PULL WIRE IN EACH RACEWAY IN WHICH WIRING IS NOT INSTALLED
- 329 COVERS OF JUNCTION OR PULL BOXES SHALL BE ACCESSIBLE AND IDENTIFIED PER SPECIFICATIONS FIRE ALARM JUNCTION BOXES SHALL BE PAINTED RED JUNCTION OR PULL BOXES AND THE LIKE SHALL BE INDEPENDENTLY SUPPORTED TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.
- 330 WIRE COLOR CODING SHALL BE COORDINATED THROUGHOUT THE ENTIRE PROJECT/BUILDING FOR NEW AND EXISTING SYSTEMS
- 3.31 IF MORE THAN THREE (3) PHASE (UNGROUNDED) CONDUCTORS ARE RUN IN THE BAME RACEWAY CONDUCTOR AMPACITY SHALL BE DERATED IN ACCORDANCE WITH NEC ARTICLE 310
- 3.32 THE MINIMUM DISTANCE BETWEEN SMOKE OR HEAT DETECTORS AND CEILING MOUNTED SUPPLY DIFFUSERS SHALL BE A MINIMUM OF 4 FEET AND WALL MOUNTED DIFFUSERS SHALL BE 10 FEET COORDINATE WITH CONTRACTOR AS
- 3.33 PROVIDE GROUND FAULT INTERRUPTER DEVICES AND CIRCUITS AS REQUIRED BY LOCAL CODE AUTHORITIES.

- 2.3.4 CONDUIT, LIGHTING, EQUIPMENT, ETC. SHALL NOT BE SUPPORTED FROM THE BOTTOM CHORD OF ENGINEERED JOISTS WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER. ALL CONDUITS, ROUTED THROUGH AREAS WITH NO CEILING, SHALL BE ROUTED WITHIN THE WEBBING OF THE JOISTS AND SHALL NOT BE ROUTED BELOW THE BOTTOM CHORD OF THE JOISTS.
- 335 SMOKE OR HEAT DETECTORS SHALL BE SURFACE MOUNTED TO CEILING, ROOF DECK MATERIALS, ETC IN LIEU OF MOUNTING TO BOTTOM CHORD OF ENGINEERED JOIFT OR ANY OTHER COMPONENTS NOT AN INTEGRAL PART OF THE HORIZONTAL CEILING.
- 3.36 WIRING DEVICES SHOWN BACK-TO-BACK IN WALLS SHALL BE SEPARATED BY 8' MINIMUM
- 337 UNLESS OTHERWISE NOTED, DEVICE ELEVATIONS REFER TO CENTER LINE OF JUNCTION BOX. VERIFY JUNCTION BOX LOCATIONS IN FIELD AND ILL OWNER'S FINAL EQUIPMENT LAYOUT PRIOR TO ROUGHING IN SAME.
- 938 FURNISH AND INSTALL A GREEN GROUND WIRE IN ALL POWER CONDUITS.
 DEVICES, EQUIPMENT, FIXTURES AND THE LIKE, MUST BE GROUNDED
 MECHANICAL/ELECTRICAL BONDS OF THE METALLIC RACEWAY SYSTEM
 SHALL BE MAINTAINED
- AT NEW FIRE OR SMOKE/FIRE DAMPER LOCATIONS, WIRE EACH SMOKE/FIRE DAMPER TO NEAREST EMERGENCY PANEL, TO LOCAL ACTIVATION SMOKE DETECTORS ON EITHER SIDE OF THE DAMPER (WITHIN 3"-0") AND ALSO WIRE THE SAME TO THE FIRE ALARM CONTROL PANEL AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM. REFER TO CONTRACT DOCUMENTS FOR LOCATIONS WHERE DUCTS PASS THROUGH SMOKE OR FIRE BARRIERS
- 3.40 PROVIDE NEW FIRE ALARM SYSTEM AS INDICATED ON DRAWINGS AND SPECIFICATIONS AND AS REQUIRED FOR A COMPLETE, CODE COMPLIANT INSTALLATION, FURNISH AND INSTALL INTERFACE WIRING INTEGRAL TO THE FIRE ALARM SYSTEM AS WELL AS INTERFACE FOR A COMPLETE AND OPERATING INSTALLATION, THE COMPLETED FIRE ALARM SYSTEM SHALL BE FULLY TESTED BY THE CONTRACTOR IN THE PRESENCE OF THE OUNER'S REPRESENTATIVE, THE LOCAL AUTHORITY HANNE JURISDICTION AND THE MANUFACTURER'S NICET CERTIFIED TECHNICAL REPRESENTATIVE UPON COMPLETION OF A SUCCESSFUL TEST THE CONTRACTOR SHALL CERTIFY SUCH IN WRITING PER MPPA TO ANY QUESTIONS REGARDING THE REQUIREMENTS OF THE FIRE ALARM SYSTEM OR THE INTENT OF THE CODE SHALL BE DIRECTED TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO BID
- 3.41 CONDUIT INSTALLED FOR LOW VOLTAGE SYSTEMS SHALL BE COORDINATED WITH THE LOW VOLTAGE INSTALLER IN FIELD PRIOR TO ROUGH-IN, SUCH CONDUIT SHALL BE ROUTED TO MINIMIZE CABLE LENGTH AND COMPLY WITH LOW VOLTAGE CABLING DISTANCE LIMITATIONS.
- THE FLASH RATES FOR ALL FIRE ALARM STROBES SHALL BE SYNCHRONIZED, COORDINATE ADDITIONAL REQUIREMENTS WITH NPPA 12
- 3.43 ALL SINGLE POLE CIRCUITS SHALL HAVE SEPARATE INDEPENDENT NEUTRAL ALL SINGLE POLE CIRCUITS SHALL HAVE SEPARATE INDEPENDENT NEUTRAL CONDUCTORS (NON-NETWORKED) WHICH (PER CODE) ARE CONSIDERED CURRENT CARRYING CONDUCTORS THEREFORE, IF MORE THAN THREE (3) CURRENT CARRYING CONDUCTORS ARE RUN IN THE SAME RACEIULY, CONDUCTOR AFFECTIVE SHALL BE DERAFED IN ACCORDANCE WITH NEC ARTICLE 310: AS SUCH, ALL MULTIPLE BRANCH CIRCUIT HOTE RUNS SHALL, AT A MINIMM, UTILIZE "NO AUG CONDUCTORS TO COMPLY WITH REQUIREMENTS HEREIN COORDINATE REQUIREMENTS IN FIELD WITH SPECIFIC HOME RUN CONFIGURATION AND NEC 2008
- DATA AND TELEPHONE INFRASTRUCTURE DATA AND TELEPHONE CABLING SHALL BE ROUTED THROUGH J-HOCKS COORDINATE DEVICE AND CABLING COLOR WITH THE OWNER. PANDUIT, LEVITON/SUFFERIOR ESSEX OR BERKTEK/ORTONICS ARE THE ACCEPTABLE MANUFACTURERS CABLING SHALL BE CAT-6, PLENUM RATED AND TERMINATED IN THE IDF CABINET PROVIDE CAT-6, PATCH PANELS AS REQUIRED TO ACCOMMODATE THE NEW CABLING, PROVIDE TUD (2) PATCH CABLES FOR EACH NEW JACK. EXTEND EACH TELEPHONE CABLE FROM THE IDF TO THE TELEPHONE SYSTEM AND CONNECT LABEL ALL JACKS TEST ALL NEW CONNECTIVITY UTILIZINGS MICROTEST OMNISCANIER. PROVIDE 25 YEAR WARRANTY FOR ALL CABLING FEED THE MANUFACTURES. PER THE MANUFACTURER.
- 3 45 MODIFY TELEPHONE TERMINAL BOARD CONNECTIVITY TO ACCOMMODATE NEW TELEPHONE AND COAXIAL CABLING. PROVIDE ALL PUNCH DOWN BLOCKS, SPLITTERS, AMPLIFIERS, CABLING, ETC. FOR A COMPLETE INSTALL AT I/ALL



BARNS





